




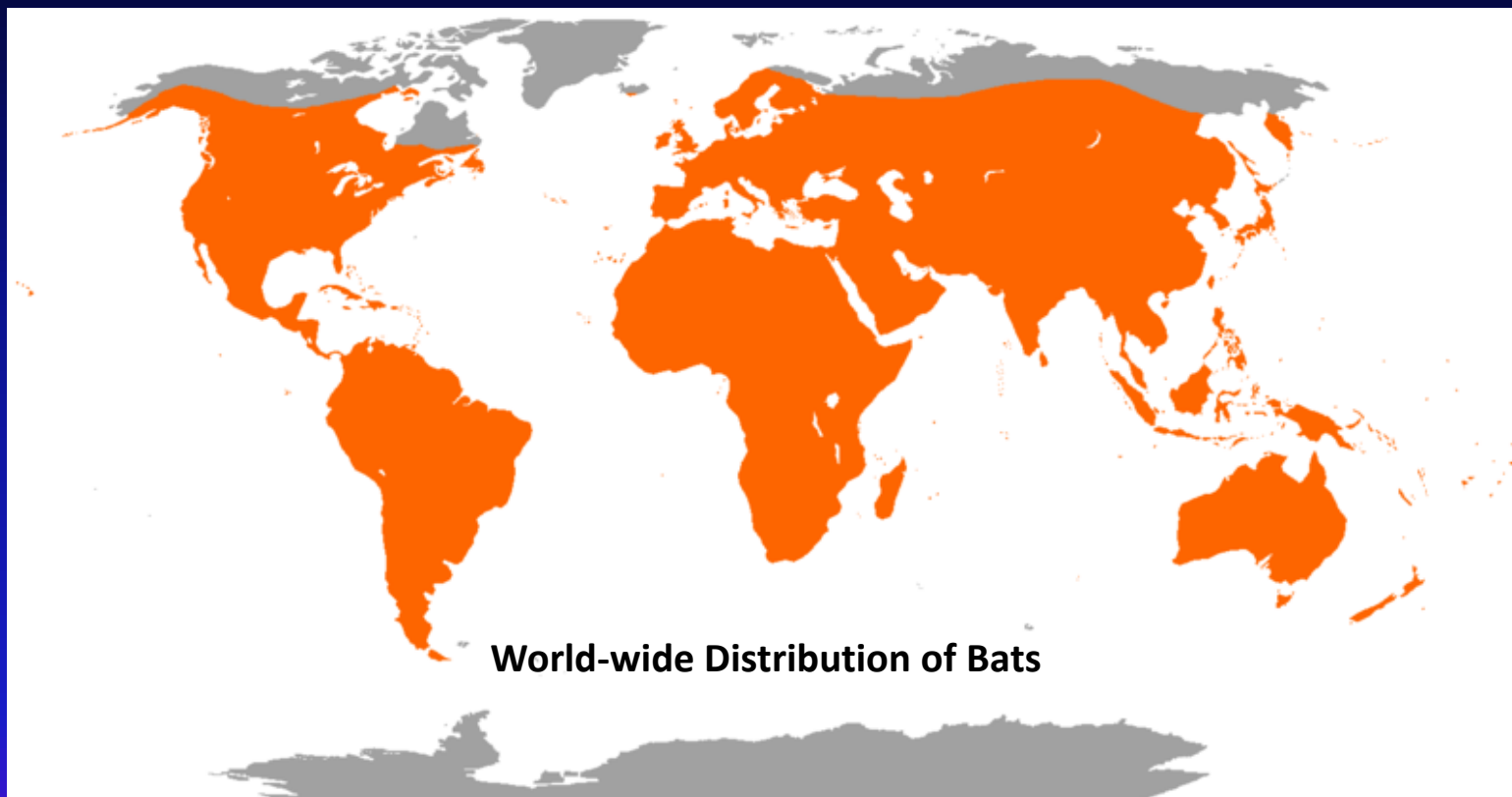
BATS ALIVE!

Bats  comprise more than 200 species that span nearly the entire world, providing vital ecological functions of insect control, flower pollination, and seed dispersal.

Bats have evolved new body systems compared to other mammals, such as flight, echolocation, and a unique sense of smell.

Various bat species eat very different foods, including nectar, fruit, and insects as well as frogs, lizards and even blood.





World-wide Distribution of Bats





Bumblebee bat (*Craseonycteris thonglongyai*), is the smallest in the world, weighing about the weight of a penny (0.07 oz). It is among the top 12 most endangered. It occurs in western Thailand and southeast Burma. It is a cave dwelling bat.





The tent-making bat *Uroderma bilobatum*, a fruit-eating species of New World leaf-nosed bats.

Credit: *Sebastien Puechmaille, Ernst-Moritz-Arndt University*



Common tent-making bats (*Uroderma bilobatum*) in a hotel garden in Costa Rica.

Credit: *Wikimedia Commons*





A nectar bat, *Glossophaga soricina*, feeding on the flowers of a banana plant.

Credit: *Beth Clare, Queen Mary University*





A short-tailed fruit bat, *Carollia perspicillata*, feeding on fruit in a forest in Brazil.

Credit: *Wikimedia Commons*





A Pallas' long-tongued bat, *Glossophaga soricina*,
looking for a meal.

Credit: *Wikimedia Commons*





Big-eared townsend bat (*Corynorhinus townsendii*)

Credit: *Wikimedia Commons*





BAT POPULATION STUDY



Photo by J. Scott Altenbach



BAT BOX



Agenda



9:00a	Registration	
9:15a	Introduction to Indiana Dunes and GLREC	Julie Larsen & Wendy Smith, Indiana Dunes NL
9:30a	Introduction to Workshop/Conference	Joy Marburger, Indiana Dunes NL
9:40a	Battle for Bats: Surviving WNS, Video	Dave McGowan, Ravenswood Media
10:00a	Landscape-level Modeling of Indiana Bat Habitat	Ben Pauli, Purdue University
10:20a	Indiana Bat Roosting Behavior	Caroline Byrne, Indiana State University
10:40a	Break	
11:00a	Mammoth Cave, other Parks, and WNS	Rick Toomey, Mammoth Cave NP
11:20a	Using Computer Simulations to Understand Bat-Human Interactions	Pat Zollner, Purdue University
11:40a	Demonstration of Bat Detection Equipment	Rick Toomey Mammoth Cave NP and Pat Zollner , Ben Pauli, Purdue University
12:00	Discussion	
12:20-1:20p	Lunch and Viewing of Posters and Displays	





Agenda (cont'd)

1:20p	Engaging the Public in Bat Behavior Research	Shannon Trimboli, Western Kentucky University
1:40p	Live Bat Encounter	Rob Mies, Organization for Bat Conservation
2:10p	Building a Bat Box Demonstration	Rob Mies, Organization for Bat Conservation
2:30-3:00p	Poster Viewing and Displays (Break)	
3:00p	Battle for Bats: Surviving WNS, Video	Dave McGowan, Ravenswood Media
3:20p	Questions for Presenters and Summary Wrap-up	Joy Marburger, Indiana Dunes NL
3:40-4:30p	Activities for Kids, Displays, Poster Viewing	
4:30p	Adjourn, Tour of Park for Presenters	
Evening Program		
7:00p	Battle for Bats: Surviving WNS, Video	Dave McGowan
7:20-8:00p	Meet the Scientists Mixer	All Scientists/Managers/Educators/Public
8:00-9:00p	Equipment Demo and Night Excursion in Miller Woods by Pat, Ben, Rick, Shannon, Interested Participants	



ACKNOWLEDGEMENTS



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